

Study Programme:

Bachelor of Science Industrial Engineering

Full-time
on Campus
in Germany

Why study Bachelor of Science in Industrial Engineering?

Industrial engineers take care of product quality and development as well as essential business aspects like cost structure and profitability. With the unprecedented digital networking of production systems, know-ledge of data structures, collection and evaluation in industrial production becomes a must. Only with this know-how can industrial engineers precisely evaluate the opportunities and the risks of adopting new digital technologies and organise a safe production of tomorrow.

In this programme, you will acquire both engineering expertise and management skills together with technology know-how with the latest international standards. You will learn to use and integrate cyber-physical systems in products, adopting augmented reality technology or connecting construction and production to modern mobile communications technology; you will be able to recognise the potential of technologies at an early stage and evaluate the costs and benefits in a reliable way.

Your ability to develop creative and practical solutions will be strengthened through practical

exercises, digital lectures and interactive teaching and learning media in addition to the classroom lectures throughout the degree programme. You are going to walk out of this programme with sound engineering knowledge and management skills, being qualified for demanding positions in production process, technical sales as well as quality and project management in international companies across all industries.

As a graduate, you are specialised for management position, e.g. as Engineering Project Manager, Quality Manager, Project Manager, Plant Manager or Process Manager/Consultant.



German Engineering on Campus and Online

This degree programme provides you with the flexibility to study first on campus for two years in Essen, Germany, before expanding your theoretical and practical horizons in the third year either further on campus or online worldwide.

Germany, the world's 4th largest economy, birthplace of Industry 4.0. Essen, centre of the Ruhr Region, heart of the eminent German industry with distinguished industrial tradition, pioneering visions and a vibrant modern economy. With the many powerful residing multinationals, strong SMEs and thriving start-ups, Essen is among the most popular destinations for practice-oriented studies leading to ample career opportunities. As European Green Capital, Essen offers countless recreation possibilities accompanied by plenty of cultural highlights. Both on campus and online, you will get the spirit of German engineering and experience how theories can be applied in best practice.



FOM University

FOM University was founded in 1991 at the initiative of the non-profit "Stiftung BildungsCentrum der Wirtschaft" (Foundation for the Centre of Education for Trade and Industry). With more than 50,000 students on 34 campuses, FOM is one of the largest universities in Europe. Focus of the university is to provide students with practice-oriented higher education to promote knowledge transfer between the university and business. FOM works extensively with German companies of different scales and major international corporations. Its integral connections with over 10,000 cooperation partners across all sectors of the economy offer exclusive study opportunities to combine academic studies and professional improvement through unique learning experience. Parallel to the traditional on-campus study format, FOM expands its digital landscape through the innovative "Digital Live Study", offering worldwide accessible interactive lectures broadcast live from the state-of-the-art, multi-functional high-tech studios to provide students with maximum flexibility. FOM is where the transfer between theory and practice takes place – in both traditional and digital ways.

KEY FACTS

Language

English

Time model

Full-time (daytime)

Duration

6 semesters including thesis

Place of study

Option 1:

Semesters 1 to 6: on campus in Essen, Germany

Option 2:

Semesters 1 to 4: on campus in Essen, Germany

Semesters 5 to 6: online worldwide

Credit points

180 ECTS

Fees

Registration fee: 1,580 €, Tuition fee: 23,750 €,

Examination fee: 500 €, **Total cost: 25,830 €**

Degree

Bachelor of Science (B.Sc.)

Admission requirements

- University entrance qualification
- English language proficiency B2

CONTACT

**For questions and further information,
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